



Weather Briefing

June 22, 2015



National Weather Service
Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov

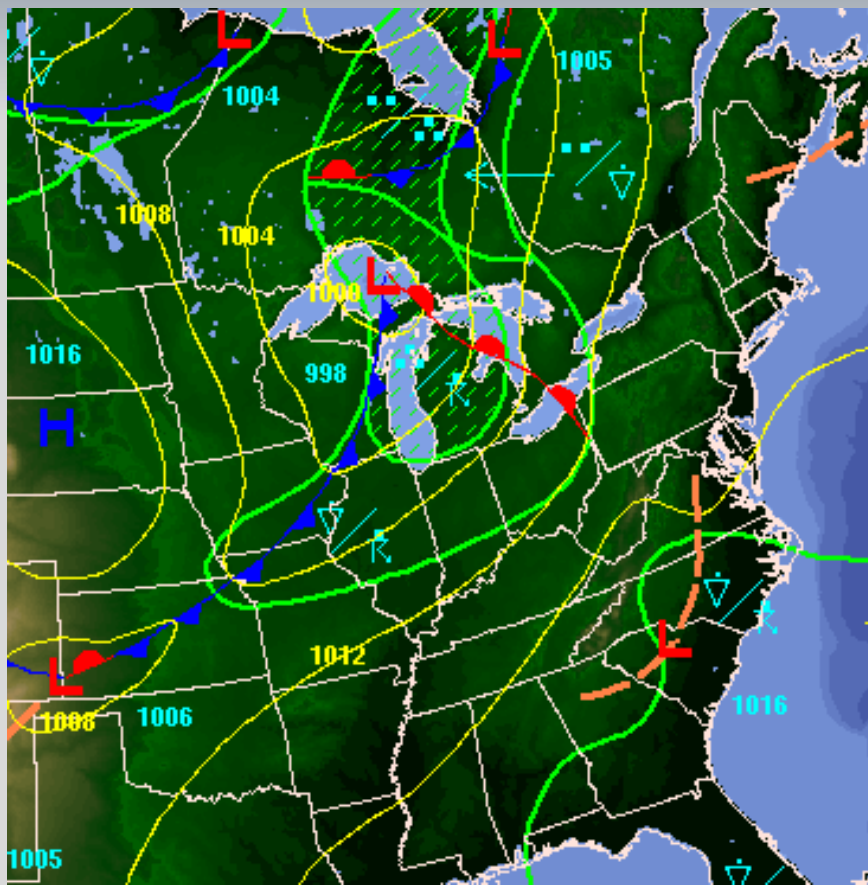


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Decision Support Briefing Highlights



Forecast weather map for 800PM Monday

Event Summary

Potential for widespread severe weather

Damaging winds greatest threat

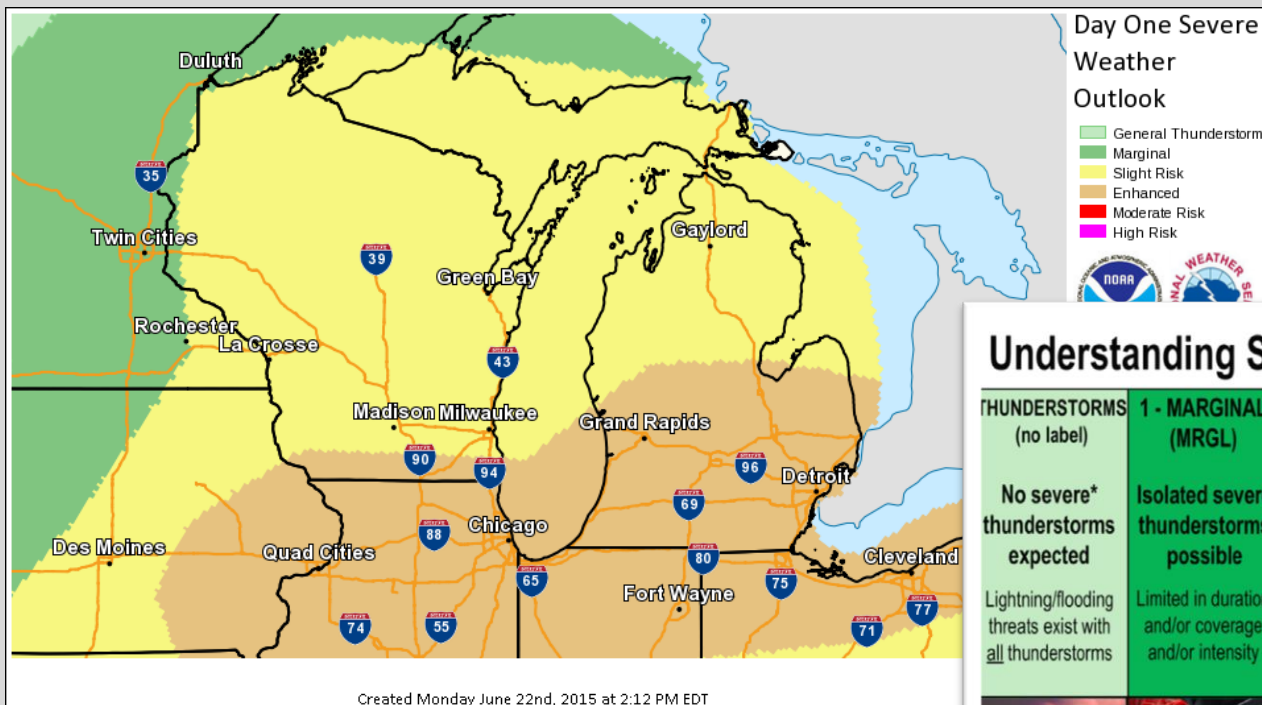
This afternoon through tonight

All of Southeast Michigan



Severe Weather Outlook

Today and Tonight (through 8 am Tuesday)



Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					
• Winds to 40 mph • Small hail	• Winds 40-60 mph • Hail up to 1" • Low tornado risk	• One or two tornadoes • Reports of strong winds/wind damage • Hail ~1", isolated 2"	• A few tornadoes • Several reports of wind damage • Damaging hail, 1 - 2"	• Strong tornadoes • Widespread wind damage • Destructive hail, 2' +	• Tornado outbreak • Derecho

* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



National Weather Service

www.sdc.noaa.gov

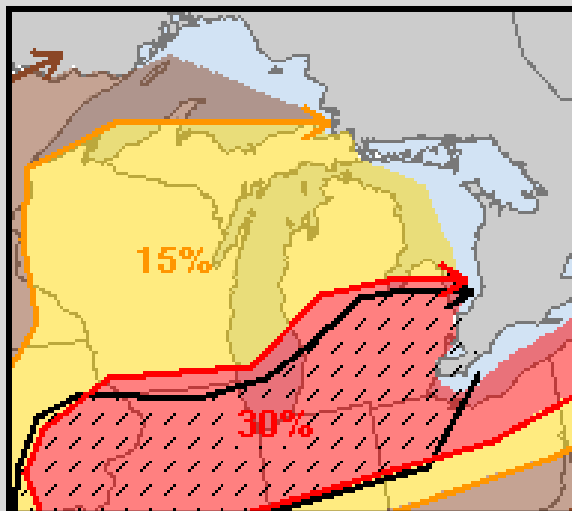


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Severe Weather Threats

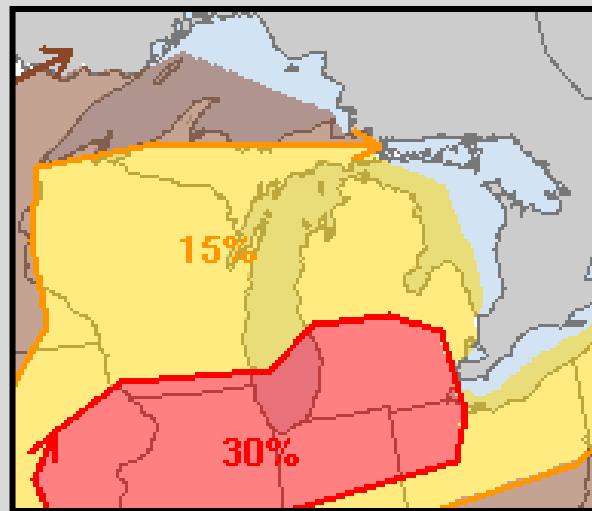
This Afternoon Through Tonight



Damaging Winds

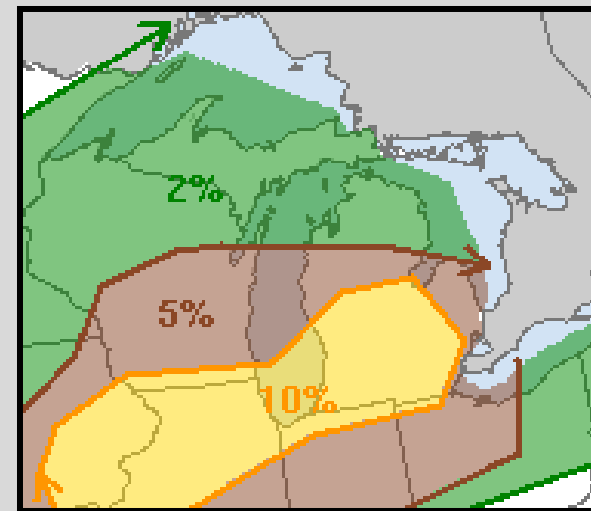
70 mph and Stronger

Lines of Storms and
Individual Storms



Large Hail

Greater Than 1"
in diameter



Tornado

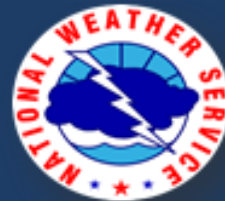
Tornadoes possible

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Hazard Summary

Severe Weather Risk Through Tonight



What

- Risk for severe thunderstorms late this afternoon and tonight.
- Widespread severe weather possible.
- Two separate periods of severe thunderstorms possible:
 1. Late afternoon and evening (roughly 2PM – 6PM)
 2. Second organized round potentially arrives during the late evening and overnight hours ahead of a cold front

MAIN HAZARDS: Wind gusts greater than 70 mph, hail greater than 1", tornadoes

LESSER THREAT: Flash flooding

Where

- All of Southeastern Michigan

When

- Most likely through 3 AM

Forecast Confidence

- High on thunderstorm development.
- Medium on severe weather.



Additional Information



NWS Detroit/Pontiac Hazard and Warning Page

<http://www.weather.gov/dtx/dtxhazards>

NWS Detroit/Pontiac Decision Support

<http://www.weather.gov/dtx/dss>

Severe Thunderstorm Outlooks

<http://www.spc.noaa.gov/products/outlook/>

Regional Radar

<http://radar.weather.gov/Conus/centgrtlakes.php>

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